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BOROUGH OF WIDNES

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# ANNUAL REPORT

OF THE

MEDICAL OFFICER

OF HEALTH

FOR

1940



BOROUGH OF WIDNES

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**ANNUAL REPORT**

OF THE

**MEDICAL OFFICER OF HEALTH**

**1940**

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TO THE CHAIRMAN AND MEMBERS OF THE  
HEALTH COMMITTEE.

GENTLEMEN,

I have the honour to present to you my Annual Report, which deals with the Vital Statistics and Sanitary Administration of the Borough of Widnes for the year 1940.

The General Death rate and Infantile Mortality rate were higher than the average for the preceding five years, but the other vital statistics showed little change. There was, however, a marked increase in the Birth rate.

There was a slight increase in the incidence of Diphtheria and, at the end of the year, a campaign was inaugurated with a view to persuading parents to take advantage of the scheme which provides free immunisation for their children.

Only 15 houses were built during the year as compared with 192 during the year 1939. The cessation of private building operations, the suspension of work on the rehousing estate, together with the deterioration in the condition of older houses will, unfortunately, create a serious housing problem.

The Maternity and Child Welfare and other Health Services have functioned normally.

I desire to take this opportunity of thanking the chief officials of the Corporation and those members of the municipal staff who have unstintingly assisted me during a difficult period.

I wish, also, to acknowledge my appreciation of the cordial support afforded me by the members of the Health Committee and the Council.

I am, Gentlemen,

Your obedient Servant,

ALBERT JONES,

*Medical Officer of Health.*



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## GENERAL STATISTICS.

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Area of Borough in acres	...	...	...	...	6,178
Population at Census, 1931	...	...	...	...	40,619
,, Estimated 1940	...	...	...	...	42,270
Density of Population ( <i>i.e.</i> , No. of persons per acre)	...				7.0
No. of Inhabited Houses (1931 Census)	...	...			8,641
Rateable Value	...	...	...	...	£217,275
Sum represented by 1d. Rate	...	...	...	...	£833

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## EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

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Number of Births: Males 519, Females 489	...	...	1,008
Birth-rate per 1,000 of the Population	...	...	23.84
Number of Deaths: Males 352, Females 267	...	...	619
Death-rate per 1,000 of the Population	...	...	14.6
Excess of Births over Deaths	...	...	389
Number of Deaths of Infants (under the age of one year)	...		89
Infantile Mortality per 1,000 Births	...	...	88
Deaths from Influenza	...	...	33
Death-rate from Influenza per 1,000 of the Population	...		0.8
Death-rate from Cancer	...	...	1.6
Death-rate from Phthisis	...	...	0.75
Maternal Mortality Rate per 1,000 Births	...	...	2.97
Number of women dying in consequence of child birth—			
From Sepsis	...	...	1
Other causes	...	...	2
Deaths from Measles (all ages)	...	...	1
,, ,, Whooping Cough (all ages)	...	...	0
,, ,, Diarrhoea (under 2 years of age)	...	...	12
Death-rate for England and Wales	...	...	14.3
Percentage of Total Deaths occurring in Public Institutions			37.8



## II. ANALYSIS OF VITAL STATISTICS.

### POPULATION—

The population returns since 1861 are given below :—

Year.	Population.	Inhabited houses	Average per house
1861	6,893	1,150	5.99
1871	14,359	2,519	5.66
1881	24,918	4,994	5.0
1891	30,011	5,121	5.86
1901	28,580	5,350	5.34
1911	31,544	6,102	5.16
1921	38,879	7,437	5.22
1931	40,619	8,534	4.63

The estimated population for the year 1940 was 42,270.

### BIRTHS—

	Total.	Males.	Females.	
Livebirths.				
{ Legitimate ...	960	492	468	} Birth Rate (R.G.) 23.84
{ Illegitimate ...	48	27	21	
Birth-rate for England and Wales	...	...	...	14.6
Stillbirths ...	36	17	19	
Rate per 1,000 Total (Live & Still Births)				24.7

The following table gives the number of births registered in the Borough, and indicates the wards in which they occurred :—

WARD.	Males.	Females.	Total.	No. of Births which were illegitimate.	Birth-rate per 1000 estimated population.
Farnworth ....	76	68	144	4	14.6
Halton .....	95	95	190	7	32.2
Simm's Cross .	107	102	209	12	23.5
Victoria .....	100	100	200	15	31.5
Waterloo .....	40	27	67	6	21.6
West Bank ....	41	36	77	1	25.2
Ditton .....	60	61	121	3	23.5
Whole Borough	519	489	1008	48	23.84

### ILLEGITIMATE BIRTHS—

The percentage of births, which were illegitimate, during each of the past 12 years is as follows :—

1929	...	3.2 per cent.	1935	...	2.9 per cent.
1930	...	3.7 per cent.	1936	...	2.5 per cent.
1931	...	2.1 per cent.	1937	...	3.1 per cent.
1932	...	3.2 per cent.	1938	...	2.4 per cent.
1933	...	2.0 per cent.	1939	...	2.4 per cent.
1934	...	3.0 per cent.	1940	...	4.7 per cent.

## CAUSES OF, AND AGES AT, DEATH DURING YEAR 1940—

CAUSES OF DEATH.	All Ages	Under 1 year.	1 and under 2.	2 and under 5.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and upwards.
All Causes—Certified ...	602	88	14	12	15	22	58	164	229
„ „ Uncertified	17	1	1	—	1	—	1	5	8
Typhoid and Paratyphoid Fevers ... ..	—	—	—	—	—	—	—	—	—
Measles ... ..	1	1	—	—	—	—	—	—	—
Scarlet Fever ... ..	—	—	—	—	—	—	—	—	—
Whooping Cough ... ..	—	—	—	—	—	—	—	—	—
Diphtheria ... ..	6	1	2	2	1	—	—	—	—
Influenza ... ..	33	—	2	—	—	1	4	12	14
Encephalitis ... ..	1	—	—	—	—	—	—	1	—
Cerebro-Spinal Fever ...	6	2	—	1	—	1	1	1	—
Pulmonary Tuberculosis .	32	1	—	—	—	7	10	14	—
Other Tuberculous diseases	8	1	1	1	1	2	2	—	—
Syphilis ... ..	3	—	—	—	—	—	1	1	1
General Paralysis of the Insane, tabes dorsalis	—	—	—	—	—	—	—	—	—
Cancer, malignant disease	70	—	—	—	—	—	6	28	36
Diabetes ... ..	2	—	—	—	—	—	1	—	1
Cerebral Hæmorrhage, etc	40	—	—	—	—	—	1	12	27
Heart Disease ... ..	105	—	—	—	—	—	8	39	58
Aneurysm ... ..	—	—	—	—	—	—	—	—	—
Other Circulatory Diseases	11	—	—	—	—	—	1	2	8
Bronchitis ... ..	56	7	—	2	1	—	—	11	35
Pneumonia (all forms) ...	43	14	6	4	1	1	4	5	8
Other Respiratory Diseases	13	—	—	—	2	—	3	8	—
Peptic Ulcer ... ..	5	—	—	—	—	—	—	2	3
Diarrhoea, etc., under 2 years ... ..	12	12	—	—	—	—	—	—	—
Appendicitis ... ..	—	—	—	—	—	—	—	—	—
Cirrhosis of Liver ...	—	—	—	—	—	—	—	—	—
Other Diseases of Liver, etc. ... ..	—	—	—	—	—	—	—	—	—
Other Digestive diseases	20	3	1	—	—	1	1	6	8
Acute and Chronic Nephritis ... ..	8	—	—	—	1	1	1	3	2
Puerperal Sepsis ... ..	1	—	—	—	—	1	—	—	—
Other Puerperal causes	2	—	—	—	—	2	—	—	—
Congenital Debility, Premature Birth, Malformations, etc. ...	44	43	1	—	—	—	—	—	—
Road Traffic Accidents ...	4	—	—	—	1	—	2	1	—
Suicide ... ..	5	—	—	—	—	1	1	2	1
Other Violence ... ..	26	1	1	1	5	2	8	5	3
All other causes ... ..	62	3	1	1	3	2	4	16	32
TOTALS ... ..	619	89	15	12	16	22	59	169	237

The following is a summary of the deaths of persons belonging to Widnes, which occurred in institutions during the year 1940 :—

Widnes Accident Hospital	...	...	...	8
„ Isolation Hospital	...	...	...	6
„ Maternity Home (Infants 2)	...	...	...	3
Liverpool Northern Hospital (Infants 1)	...	...	...	1
„ Children's Infirmary (Infants 4)	...	...	...	6
„ Royal Infirmary	...	...	...	11
„ Southern Hospital	...	...	...	1
„ Public Assistance Hospitals (Infants 0)	...	...	...	1
„ Maternity Hospital (Infants 1)	...	...	...	1
„ Stanley	...	...	...	2
„ Cancer	...	...	...	0
„ Women's	...	...	...	0
„ Eye and Ear	...	...	...	0
„ Lourdes	...	...	...	0
County Asylum	...	...	...	5
„ Sanatoria	...	...	...	12
Warrington Infirmary	...	...	...	1
Other Hospitals (Infants 0)	...	...	...	4
Whiston Infirmary (Infants 21)	...	...	...	172
TOTAL	...	...	...	234

The following table summarises the Vital Statistics of the Borough :—

	Per 1,000 of Population.				Per 1,000 Births.	
	Birth Rate.	Death Rate.	Death Rate from Tuberculosis of Respiratory System.	Death Rate from Cancer	Maternal Mortality Rate.	Rate of Deaths under 1 year.
Mean of 5 years—						
1935-1939	20.41	12.2	0.58	1.31	3.19	78
Year—						
1939	19.95	12.7	0.50	1.50	1.13	72
1940	23.84	14.6	0.75	1.65	2.97	88
Increase or Decrease in 1940 on Five Years' Average	+ 3.43	+ 2.4	+ 0.17	+ 0.34	- 0.22	+ 10
1935-1939						
Previous Year	+ 3.89	+ 1.9	+ 0.25	+ 0.1	+ 1.84	+ 16



*MORTALITY FROM ALL CAUSES—*

The following table shows the distribution of deaths in the various Wards of the Borough :—

WARD.	Under 1	1-2	2-5	5-15	15-25	25-45	45-65	over 65	Total
Farnworth ..	8	—	1	2	1	7	40	64	123
Halton .....	13	—	2	3	3	11	19	32	83
Simm's Cross	17	4	4	3	4	11	35	40	118
Victoria .....	27	7	2	4	6	10	28	30	114
Waterloo ....	11	1	—	2	4	5	15	32	70
West Bank ..	8	3	1	1	—	2	7	18	40
Ditton .....	5	—	2	1	4	13	25	21	71
TOTALS ...	89	15	12	16	22	59	169	237	619

It will be seen on Page 3 that the Registrar General has estimated the population to be 42,270, whereas during 1939 it was 43,590. It is impossible to understand on what grounds he has formed the opinion that there was a fall in the population. I am confident, however, that the population is, at least, 43,600. The vital statistics being calculated on the estimated population supplied by the Registrar General appear, therefore, to be higher than they really are.

*INFANTILE MORTALITY—*

The number of deaths during the year of children under 1 year of age was 89, which represents an infantile mortality rate of 88 per 1,000 births. The infant Mortality Rate for England and Wales during the year was 55 per 1,000 births.

The higher Infant Mortality rate is largely attributable to an increase in the number of deaths from Premature Birth, etc.

The Causes of Deaths of Infants during 1940 are recorded in the following table :—

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 4 Weeks.	4 Wks and under 3 Months	3-6 Months.	6-9 Months.	9-12 Months.	Total Deaths under 1 Year
All Classes, Certified ...	24	2	—	6	32	19	17	8	12	88
„ Uncertified ...	—	—	—	—	—	1	—	—	—	1
Diphtheria .....	—	—	—	—	—	—	—	—	1	1
Measles .....	—	—	—	—	—	—	—	1	—	1
Cerebro-spinal Fever .....	—	—	—	—	—	—	2	—	—	2
Convulsions .....	—	—	—	—	—	1	—	—	—	1
Bronchitis .....	1	—	—	1	2	3	1	—	1	7
Pneumonia (all forms) ...	—	—	—	—	—	1	5	2	6	14
Tuberculosis .....	—	—	—	—	—	—	1	—	1	2
Enteritis and Diarrhœa ...	—	—	—	—	—	4	5	2	1	12
Digestive Diseases .....	—	—	—	—	—	1	2	—	—	3
Congenital Malformations .	1	1	—	2	4	2	—	—	—	6
Premature Birth .....	16	1	—	1	18	5	—	—	—	23
Atrophy, Debility, and Marasmus .....	6	—	—	1	7	3	1	1	2	14
Other Causes .....	—	—	—	1	1	—	—	2	—	3
<b>TOTALS .....</b>	<b>24</b>	<b>2</b>	<b>—</b>	<b>6</b>	<b>32</b>	<b>20</b>	<b>17</b>	<b>8</b>	<b>12</b>	<b>89</b>

The following table gives the Infant Mortality per 1,000 Births in the Wards of the Borough :—

Year.	Farnworth.	Halton.	Simms Cross.	Victoria.	Waterloo.	West Bank.	Ditton.	TOTAL.
1930	42	37	77	57	63	59	54	55
1931	45	104	56	124	136	65	25	82
1932	44	76	56	91	168	53	35	74
1933	35	53	69	66	76	78	70	62
1934	75	44	62	78	49	26	54	59
1935	55	55	76	81	93	62	61	69
1936	64	88	69	114	156	98	54	89
1937	46	131	76	125	96	66	101	92
1938	63	58	60	62	90	111	73	68
1939	49	87	87	53	92	89	63	72
Average								
1930-39	52	73	68	85	109	72	56	74
<b>1940</b>	<b>55</b>	<b>68</b>	<b>81</b>	<b>135</b>	<b>164</b>	<b>104</b>	<b>41</b>	<b>88</b>

DIARRHŒA AND ENTERITIS—

The number of deaths under 2 years of age from these diseases during the year was 12 as compared with 9 in 1939.

The Wards in which the deaths occurred are as follows :—

Farnworth	...	...	...	1	Waterloo	...	...	...	1
Halton	...	...	...	2	West Bank	...	...	...	1
Simm's Cross	...	...	...	1	Ditton	...	...	...	0
Victoria	...	...	...	6					

VITAL STATISTICS—WARDS IN THE BOROUGH—

	Farn- worth	Halton	Simms Cross	Vic- toria	Water- loo	West Bank	Ditton	Whole Boro'
Population .....	9850	5900	8870	6350	3100	3050	5150	42270
No. of Houses .....	2961	1680	2255	1389	697	794	1612	11388
Density of Population ...	8.0	6.0	35.9	25.0	6.3	10.3	2.2	7.3
Birth-rate per 1000 .....	14.6	32.2	23.5	31.5	21.6	25.2	23.5	23.84
Death-rate per 1000 ....	12.5	14.1	13.3	18.0	22.6	13.1	13.8	14.6
Infantile Death-rate per 1000 Births .....	55	68	81	135	164	104	41	88
Death-rate from Cancer	1.9	2.0	1.8	1.4	1.9	0.0	1.5	1.6
Death-rate from Diarrhœa per 1000 Births ...	6.9	10.5	4.7	30.0	14.9	12.9	0.0	11.9
Death-rate from Phthisis per 1000 .....	0.30	0.8	0.7	0.9	1.6	0.3	1.1	0.75
Total Deaths .....	123	83	118	114	70	40	71	619
Total Births .....	144	190	209	200	67	77	121	1008

(2) *PROFESSIONAL NURSING IN THE HOME—*

The arrangements made with the Widnes Queen's Nursing Association for the home nursing of children suffering from measles and whooping-cough have operated normally.

(3) *MIDWIFERY—*

The number of midwives practising in the area was 14.

(4) *LABORATORY FACILITIES—**Bacteriological Examinations :*

The number of specimens examined in 1940 was :—

Nasal swabs	...	219	Throat swabs	...	1095
Others	...	...			1

(5) *HOSPITALS—*

(a) The number of patients admitted to the Isolation Hospital during 1940 was 266, as compared with 264 during 1939.

(b) A summary of the cases treated at the Accident Hospital during 1940 was :—

Patients in Hospital December 31st, 1939	...	4
Admitted during 1940	... ..	173
Out-Patients during 1940	... ..	1229
Re-visits, Out-Patients during 1940	... ..	8440
Operations	... ..	71
X-Ray Examinations	... ..	816
Deaths	... ..	14
Patients in Hospital December 31st, 1940	...	5

The cases treated in 1939 were; Admissions 145; out-patients 1073; and operations 109.

(6) *MATERNITY HOME—*

The total number of cases admitted to the Home during the year was 213 as compared with 173 during 1939.

(7) *AMBULANCE FACILITIES—*

The Local Authority has provided one motor ambulance for the removal of cases of Infectious Disease to Hospital, one for the removal of patients to Hospitals within or without the Borough, and one for emergencies.



The amount of work done during 1940 by the motor ambulances which are used for non-infectious cases was :—

Patients conveyed to hospitals 576; patients conveyed from hospitals 509; mileage 12,069. The number of patients conveyed to and from hospitals during 1939 was 964 and 961 respectively and the total mileage was 16,715.

#### (8) *CLINICS AND TREATMENT CENTRES—*

The Child Welfare and school clinics functioned normally during the year.

The record of home visits paid by the health visitors during the year was :—

To Expectant Mothers : First Visits ...	514	Total Visits ...	1218
Infants under 1 :	,, ,, ... 918	,, ,, ...	5252
Children 1 - 5 :	— — —	,, ,, ...	6567

An Ante-Natal Clinic is conducted by Mr. P. Malpas every Wednesday afternoon. The specialist voluntarily conducts an ante-natal clinic at the Maternity Home immediately he has finished his session at the Health Centre. The number of ante-natal cases which attended the clinics was 688, as compared with 687 during 1939. This represents 68% of the total births and affords an indication of the growing appreciation of the clinics. The total attendances were 2,234, as compared with 2,115 during 1939.

It was found necessary to arrange for 29 cases to be admitted to the Liverpool Maternity Hospital during the year because of disabilities or defects discovered at the clinic. The number of cases admitted during 1939 was 23. In addition 57 cases were admitted to the Whiston County Hospital, as compared with 67 during 1939.

From its inception the work at the clinic has not been confined to ante-natal supervision. Patients suffering from disabilities which are the result of childbirth, or from other diseases peculiar to women, are examined, and where necessary are admitted to the Women's Hospital, Liverpool, for operative treatment. 91 such cases were examined during the year 1940, and the total attendances of such cases were 304. The services of the specialist are also at the disposal of the medical practitioners for cases of difficult labour and puerperal disorders, and are being more frequently used.

A scheme for the examination and treatment of crippled children was put into operation in January, 1926. The Orthopædic surgeon visits Widnes fortnightly to direct the necessary treatment. Children requiring operative treatment are admitted to the Children's Infirmary at Liverpool, the country hospital at Heswall, or the Widnes Accident Hospital.



### TUBERCULOSIS DISPENSARY—*Chapel Street*—

This is provided by the County Authority, and the Tuberculosis Officer attends on Monday mornings, Wednesday evenings, and Friday afternoons.

## IV. SANITARY CIRCUMSTANCES OF THE AREA.

### WATER SUPPLY—

The water supply of the Borough is obtained by pumping from deep wells in the sandstone. The Borough possesses wells at Stockswell, Netherley and Belle Vale. The water was analysed monthly by the County Analyst and by the Bacteriologist to the City of Liverpool and found to be of excellent quality.

### CLOSET ACCOMMODATION—

One privy midden was converted during the year. This important work was commenced in the year 1911, and since that date 4,359 conversions have been effected.

The following table indicates as accurately as possible the number of the respective conveniences existing in the Borough at the end of 1940 :

	Farnworth.	Halton.	Simms Cross.	Victoria.	Waterloo.	West Bank.	Ditton.	TOTAL.
Privies ...	51	—	—	—	—	—	46	97
Fresh								
Water								
Closets	2909	1674	2254	1388	697	792	1566	11280
Waste								
Water								
Closets	1	6	1	1	—	2	—	11

The number of waste water closets converted during the year was 3.

### REFUSE REMOVAL—

This work is carried out entirely by the Highway Committee, and motor transport is mainly used. There are 44 dry ashpits, all the remaining houses in the Borough having portable bins.

## SANITARY INSPECTION OF THE DISTRICT—

A record of the work of the Sanitary Department is as follows :—

Defects or Nuisances : No. Discovered	...	1579
No. Abated	...	1465
No. of Notices served : Informal	...	520
Statutory	...	76
No. of Legal Proceedings taken	...	Nil.
No. of Premises visited	...	5273

Premises kept under observation.	Number of Premises.	Number of Inspections.
Workshops and Workplaces .....	116	159
Factories, sanitary accommodation	56	171
Bakehouses ... ..	34	63
Slaughterhouses ... ..	1	—
Milkshops ... ..	106	314
Cowsheds ... ..	24	45
Common Lodginghouses ...	5	41
Visits to premises where cases of Infectious diseases have occurred	304	408
No. of premises disinfected after cases of Infectious Diseases ...	304	—
No. of articles disinfected by steam disinfectors ... ..	8183	—

## V.—INSPECTION AND SUPERVISION OF FOOD.

### (a) MILK SUPPLY—

The number of Purveyors of Milk on the register is 106. One dealer's licence for the bottling of T.T. milk, one for the distribution of T.T. milk and one for the distribution of Pasteurised milk, were issued. There are 23 dairy farms in the Borough, most of which are in good order. The Ministry of Agriculture has appointed Mr. P. T. Lindsay as its veterinary officer, and he inspected during the year 281 cows on four occasions. As a result of his inspections, two cows were found to be suffering from tuberculosis. 12 Bacteriological examinations of milk samples taken during the year revealed the presence of tubercle bacilli in two of them.

(b) *MEAT*—

The amount of meat condemned as unfit for human consumption comprised :—Beef  $293\frac{1}{2}$  lbs; Pork  $85\frac{1}{2}$  lbs; Bacon 726 lbs; Mutton 40 lbs; Liver 12 lbs; Kidney  $1\frac{1}{2}$  lbs; and 32 rabbits.

There is one licenced slaughterhouse.

(c) *OTHER FOODSTUFFS*—

Other food condemned comprised 4 boxes of apples; 8 boxes of tomatoes; 9 boxes of oranges; and 14 tins of pineapple.

16 samples of milk were taken during the year under the Sale of Food and Drugs Act, and Milk and Cream Regulations.

## VI. PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASE.

(i) *NOTIFIABLE DISEASES DURING THE YEAR*—

DISEASE.	Total cases notified.	Cases admitted to Hospital.	Total Deaths.
Diphtheria ... ..	200	200	6
Scarlet Fever ... ..	47	46	—
Encephalitis Lethargica ... ..	—	—	—
Puerperal Pyrexia ... ..	1	1	—
Puerperal Fever ... ..	—	—	—
Pneumonia ... ..	127	—	43
Erysipelas ... ..	12	4	—
Ophthalmia Neonatorum ... ..	4	2	—
Enteric Fever ... ..	—	—	—
Cerebro-spinal Fever ... ..	13	13	6
Measles ... ..	609	—	1
Whooping Cough ... ..	4	—	—
Tuberculosis—			
(a) Pulmonary ... { M .....	22	—	19
{ F .....	16	—	13
{ Total ...	38	—	32
(b) Non-Pulmonary { M .....	11	—	5
{ F .....	10	—	3
{ Total ...	21	—	8

## (ii) ANALYSIS OF NOTIFIABLE DISEASES IN AGE GROUPS—

CASES NOTIFIED.														
DISEASE.	Total Cases at all Ages.	Years.												
		Under 1.	1 to 2.	2 to 3.	3 to 4.	4 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 35.	35 to 45.	45 to 65.	65 and over.	
Diphtheria .....	200	2	5	10	20	19	90	40	9	5	—	—	—	
Scarlet Fever .....	47	—	1	8	7	4	15	8	3	1	—	—	—	
Puerperal Pyrexia	1	—	—	—	—	—	—	—	—	1	—	—	—	
Puerperal Fever ..	—	—	—	—	—	—	—	—	—	—	—	—	—	
Pneumonia .....	127	8	11	4	5	9	14	6	11	23	13	18	5	
Erysipelas .....	12	—	—	—	—	1	1	—	—	2	1	5	2	
Ophthalmia .....	4	4	—	—	—	—	—	—	—	—	—	—	—	
Enteric Fever .....	—	—	—	—	—	—	—	—	—	—	—	—	—	
Cerebro-spinal														
Fever .....	13	3	—	1	2	—	—	1	2	3	—	1	—	
Measles .....	609	23	62	100	98	86	233	5	1	1	—	—	—	
Whooping Cough	4	—	1	1	—	—	1	1	—	—	—	—	—	
Pulmonary T.B. M.	22	1	—	—	—	—	—	1	—	6	5	9	—	
F.	16	—	—	—	—	—	—	1	3	8	3	1	—	
Non-Pulmonary M.	11	—	—	4	—	1	3	—	—	3	—	—	—	
Tuberculosis F.	10	—	1	2	—	1	2	1	2	—	—	1	—	
TOTALS .....	1076	41	81	130	132	121	359	64	31	53	22	35	7	

## (iii) WARD DISTRIBUTION OF NOTIFIABLE DISEASES—

Return of Infectious Diseases notified, shown in the various Wards in which they occurred, during the year 1940 :—

DISEASE.	Farnworth.	Halton.	Simms Cross.	Victoria.	Waterloo.	West Bank.	Ditton.	TOTALS.
Diphtheria and Mem- braneous Group ...	17	25	37	61	10	22	28	200
Erysipelas ... ..	1	1	6	1	1	—	2	12
Scarlet Fever ... ..	5	12	14	11	1	2	2	47
Puerperal Pyrexia ...	1	—	—	—	—	—	—	1
Ophthalmia ... ..	—	2	—	2	—	—	—	4
Pneumonia ... ..	14	17	36	27	15	8	10	127
Enteric Fever ... ..	—	—	—	—	—	—	—	—
Cerebro-spinal Fever	1	1	3	2	2	—	4	13
Measles ... ..	97	140	142	115	14	13	88	609
Whooping Cough ...	2	—	2	—	—	—	—	4
Tuberculosis—								
Phthisis ... ..	2	2	8	8	8	4	6	38
Other Forms ... ..	4	1	7	4	2	1	2	21
<b>TOTALS</b> ... ..	<b>144</b>	<b>201</b>	<b>255</b>	<b>231</b>	<b>53</b>	<b>50</b>	<b>142</b>	<b>1076</b>



The number of cases of Scarlet Fever notified during 1939 was 94.

The number of cases of Diphtheria notified during the preceding four years was :—1936—110; 1937—370; 1938—240; 1939—180.

The total amount of anti-toxin used during the year was 5,042,000 units.

**PUERPERAL FEVER AND PUERPERAL PYREXIA.** One case of Puerperal Pyrexia was notified and was admitted to Whiston County Hospital.

**OPHTHALMIA NEONATORUM.** Four cases were notified during the year, three of which were admitted to hospital. The hospitals at which the cases were treated were the St. Paul's Eye Hospital, the Mill Road Infirmary and the Whiston County Hospital. No injury to vision resulted among any of the cases.

**TUBERCULOSIS :** The number of cases of Tuberculosis and of all deaths from the disease during 1940 will be found in the following table :—

Age Periods.	New Cases.				Deaths.			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
Years								
0-1	1	—	—	—	1	—	1	—
1-5	—	—	5	4	—	—	1	1
5-10	—	—	3	2	—	—	—	1
10-15	1	1	—	1	—	—	—	—
15-20	—	3	—	2	—	3	1	—
20-25	2	2	1	—	1	3	1	—
25-35	4	6	2	—	2	2	—	—
35-45	5	3	—	—	4	2	1	1
45-55	7	—	—	—	6	1	—	—
55-65	2	1	—	1	5	2	—	—
65 - upwards	—	—	—	—	—	—	—	—
TOTALS	22	16	11	10	19	13	5	3
	38		21		32		8	

### HOUSING STATISTICS.

#### NO. OF NEW HOUSES ERECTED DURING THE YEAR—

- |  |    |
|--|----|
| (a) Total (including numbers given separately under b) ... | 15 |
| (i) By the local authority ... ..                          | 3  |
| (ii) By other bodies or persons ... ..                     | 12 |
| (b) With State assistance under the Housing Acts—          |    |
| (i) By the local authority ... ..                          | 3  |



*Eradication of Bed Bugs :—*

32 houses belonging to the Local Authority, and 46 private houses were sprayed during the year because of verminous infestation. A substance known as 4-cide was used in an electric spray. This was carried out by an employee of the Local Authority. The disinfection of the furniture of tenants removed from condemned houses was carried out by a contractor by means of hydrocyanic acid.

### VIII. FACTORY AND WORKSHOPS ACT.

In compliance with Section 132, I have to report on inspections under the above Act and also send a copy of the report to the Secretary of State.

#### (i). INSPECTION.

Including Inspection made by Sanitary Inspectors :

Premises.	Inspections.	Number of			
		Written Notices.	Prosecutions.		
Factories .....	139	...	0	...	Nil.
Workshops .....	158	...	1	...	Nil.
Workplaces .....	49	...	0	...	Nil.
	—		—		—
TOTAL .....	346	...	1	...	Nil.

#### (ii). DEFECTS FOUND.

Nuisances under the Public Health Acts—

Particulars.	Number of Defects.		
	Found.	Remedied.	
Want of cleanliness ... ..	1	...	1
Want of ventilation ... ..	—	...	—
Insufficient sanitary accommodation ...	—	...	—
Defective sanitary accommodation ...	—	...	—
	—		—
Total ... ..	1	...	1

## (iii). REGISTERED WORKSHOPS.

Workshops on the Register (s. 131) at the end of the year.

Confectioners	...	...	...	...	26
Bakehouses	...	...	...	...	34
Dressmakers	...	...	...	...	5
Millinery ...	...	...	...	...	7
Laundries ...	...	...	...	...	3
Tailors ...	...	...	...	...	4
Others ...	...	...	...	...	12
					<hr/>
Total number of Workshops on Register ...					91









